

## WORKSHEET #5

### *Percent of Change*

Instructions:

Label each percent change as an increase, decrease or error.

1. A popular brand of running shoes costs a local store \$68 for each pair. If the store sells the shoes for \$119, what is the percent change in the price?
2. Last year the backgammon club had 30 members. This year the club has 24 members. Find the percent change in the number of members.
3. In the seventh grade, Rachel read 15 books. In the eighth grade, she read 18 books. Find the percent change in the number of books Rachel read.
4. Last year 762 students voted in the student council election at San Bruno Middle School. This year 721 students voted. What was the percent of change in the number of students that voted to the nearest tenth?
5. When Ricardo was 9 years old, he was 56 inches tall. Ricardo is now 12 years old and he is 62 inches tall. Find the percent of change in Ricardo's height to the nearest tenth.
6. Alicia planted 45 tulip bulbs last year. This year she plans to plant 65 bulbs. Find the percent of change in the number of tulip bulbs to the nearest tenth.
7. The 2008 yearbook at Middleton Middle School had 236 candid pictures of students. The 2007 yearbook had 214 candid pictures of students. What was the percent of change in the number of candid student pictures from 2007 to 2008 to the nearest tenth?
8. In 2000, Florida's population was 15.9 million. In 2008, the population was estimated to be 18.8 million. Find the percent of change to the nearest whole number.

9. Leroy guesses that there are 150 Skittles in a jar. The actual amount is 175. Find the percent change round to the nearest tenth.

10. You estimate that there are 600 7<sup>th</sup> graders in the school. The actual amount is 525. Find the percent change round to the nearest tenth.

11. Mr. Francom guesses that his elk weighs 500 lbs. It's actual weight is 530 lbs. Find the percent error round to the nearest tenth.

12. Ms. Feld says that her garden is 200 square feet. It is actually 195 square feet. What is the percent error rounded to the nearest tenth?

13. Kneaders in Lehi sold 4000 rolls at Thanksgiving time last year. This year they expect a 22% increase in sales. How many rolls will Kneaders in Lehi bake this Thanksgiving rounded to the nearest whole roll?

14. Macy's sold 1500 bags of candy for Halloween they estimated that they would sell 1750 bags. What is the percent error rounded to the nearest tenth?